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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/826,260	04/04/2001	David Akopian	460-010242-US(PAR)	3382
7590 08/02/2004			EXAMINER	
Clarence A. Green Perman & Green, LLP 425 Post Road Fairfield, CT 06430			HA, DAC V	
			ART UNIT	PAPER NUMBER
			2634	

DATE MAILED: 08/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/826,260

Applicant(s)

AKOPIAN ET AL.

Examiner

Dac V. Ha

Art Unit

2634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-23 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/2/04, 5/24/01.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. This application is in condition for allowance except for the following formal matters:

**Claims 1-23** are objected to because of the following informalities:

**Claim 1:**

Line 15, "the correct frequency shift" should be changed to "a correct frequency shift".

**Claim 2:**

Line 3, "phases" should be changed to "phase".

Line 4, "the frequency" should be changed to "a frequency".

**Claim 3:**

Lines 3-4, "the transformed, reversed replica code" should be changed to "a transformed, reversed replica code".

**Claim 4:**

Line 6, "said second direction" should be changed to "said second dimension".

Line 7-8, "said first direction" should be changed to "said first dimension".

**Claim 5:**

Line 6, "said second direction" should be changed to "said second dimension".

Line 9, "said first direction" should be changed to "said first dimension".

**Claim 6:**

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Line 2, "the reversed replica code" should be changed to "a reversed replica code".

Line 3, "the resulting matrix" should be changed to "a resulting matrix".

Lines 4-5, "the resulting matrix" should be changed to "a resulting matrix".

**Claim 8:**

Line 23, "the correct frequency shift" should be changed to "a correct frequency shift".

**Claim 9:**

Line 5, "phases" should be changed to "phase".

Line 6, "the frequency" should be changed to "a frequency".

**Claim 11:**

Line 7, "said second direction" should be changed to "said second dimension".

Line 9, "said first direction" should be changed to "said first dimension".

**Claim 12:**

Line 10, "said first direction" should be changed to "said first dimension".

**Claim 15:**

Line 23, "the correct frequency" should be changed to "a correct frequency".

**Claim 17:**

Line 4, "first estimation phases" should be changed to "first estimation phase".

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**Claim 18:**

Line 7, "said second direction" should be changed to "said second dimension".

Line 9, "said first direction" should be changed to "said first dimension".

**Claim 19:**

Line 14, "said first direction" should be changed to "said first dimension".

**Claim 20:**

Line 5, "the resulting matrix" should be changed to "a resulting matrix".

Lines 7-8, "the resulting matrix" should be changed to "a resulting matrix".

**Claim 22:**

Line 23, "the correct frequency shift" should be changed to "a correct frequency shift".

Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

***Allowable Subject Matter***

2. **Claims 1-23** are allowed.

***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Best Available Copy**

Krasner (US 6,289,041) discloses Fast Acquisition, High Sensitivity GPS Receiver.

Harrison et al. (US 6,151,353) disclose Pre-Acquisition Frequency Offset Removal In A GPS Receiver.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dac V. Ha whose telephone number is 703-306-5536. The examiner can normally be reached on 5/4.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 703-305-4714. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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A handwritten signature in black ink, appearing to read "Dac V. Ha", with a horizontal line underneath.

Dac V. Ha  
Examiner  
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